

## HEV Fleet Testing

## Advanced Vehicle Testing Activities



### 2002 Toyota Prius

VIN #  
JT2BK12U620041883



### A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

### Fleet Performance

#### Description:

This vehicle was operated throughout the State of Arizona by Bank One of Arizona's courier pool. It was operated 24 hours a day, six days a week, transferring documents between branches and a central processing center located in Phoenix on city streets and urban freeways as well in intrastate courier routes, with typical high-speed round trips of 100 to 300 miles.

#### Major Operations & Maintenance Events:

Overheated due to high external temperature @ 87,138 miles Cost: none  
Rack and pinion failed @ 106,153 miles Cost: Under Warranty  
Ignition lock immobilizer and keys replaced @ 126,689 Cost: \$469

#### Operating Cost:

Purchase Cost: \$21,655 (2/02)\*  
Kelly Used Vehicle Price: \$10,530 (11/05)  
Sale Price: \$13,500 (10/05)  
Maintenance Cost: \$0.02/mile  
Operating Cost: \$0.07/mile  
Total Ownership Cost: \$0.15/mile

#### Operating Performance:

Total miles driven: 164,687  
Cumulative MPG: 41.1

### Vehicle Specifications

**Engine:** 4-cylinder, 52 kW @ 4000 rpm

**Electric Motor:** 33 kW

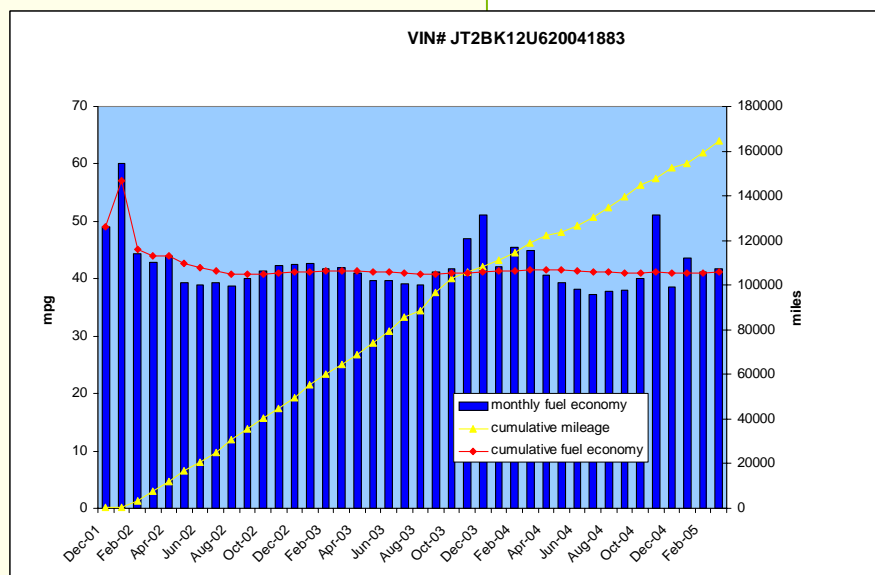
**Battery:** Nickel Metal Hydride

**Seatbelt Positions:** Five

**Payload:** 865 lbs

**Features:** Regenerative Braking  
CVT Transmission

See HEVAmerica Baseline Performance Fact Sheet for more information.



For more information contact:  
EERE Information Center  
1-877-EERE-INF (1-877-337-3463)  
[www.eere.energy.gov](http://www.eere.energy.gov)



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# *FREEDOMCAR & VEHICLE TECHNOLOGIES PROGRAM*

## **HEV Fleet Testing**

### **Advanced Vehicle Testing Activities**

### **Maintenance Sheet for 2002 – Toyota Prius Hybrid**



VIN #JT2BK12U620041883

Date	Mileage	Description	Cost
5/20/1998	15,069	Changed oil, rotated tires	\$27.00
7/11/1998	22,574	Changed oil, rotated tires	\$27.70
8/14/1998	27,889	Changed oil, replaced two tires	\$147.14
9/15/1998	32,943	Changed oil, replaced two tires	\$185.38
10/14/1998	39,932	Changed oil, rotated tires	\$30.87
12/8/1998	45,826	Changed oil, rotated tires	\$29.11
1/26/1999	53,812	Changed oil, rotated tires	\$30.34
3/11/1999	61,511	30K service	\$390.31
4/20/1999	67,935	Changed oil, rotated tire, adjusted brake	\$88.26
4/29/1999	69,012	Exchanged four tires	\$108.91
5/26/1999	73,542	Changed oil, rotated tires	\$30.50
6/24/1999	78,500	Changed oil, rotated tires	\$30.31
7/21/1999	83,542	Changed oil, rotated tires	\$30.31
8/7/1999	87,138	Inverter cooling malfunction the inverter overheated due to external temperature	NC
8/19/1999	88,786	90K service	\$390.30
9/17/1999	94,307	Changed oil, rotated tires	\$30.55
10/5/1999	98,281	Changed oil, rotated tires	\$30.47



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10/29/1999	103,023	Changed oil, rotated tires	\$30.47
11/25/1999	106,153	Replaced power steering rack	\$2,875.11
12/21/1999	108,139	Changed oil, rotated tires	\$28.15
1/7/2000	108,705	Changed oil, replaced two tires	\$124.81
3/2/2000	115,324	Changed oil, rotated tires	\$28.15
3/15/2000	116,832	Replaced one front tire	\$58.39
4/13/2000	120,304	30K service	\$249.94
6/20/2000	125,320	Changed oil, replaced four tires	\$289.12
7/5/2000	126,689	Replaced ignition lock immobilizer and keys	\$469.09
7/28/2000	130,322	Changed oil, rotated tires	\$29.04
8/24/2000	133,705	Changed oil, replaced two tires - under warranty	\$59.74
9/7/2000	135,769	Changed oil, rotated tires	\$29.04
10/10/2000	141,409	Changed oil, rotated tires	\$29.04
11/18/2000	146,525	Replaced two tires - under warranty	\$64.54
12/7/2000	149,178	Changed oil, rotated tires	\$21.58
12/30/2000	152,741	Replaced one tire	\$61.09
1/16/2001	154,708	Repair collision damage	\$1,091.97
2/13/2001	156,664	Changed oil	\$21.58
4/12/2001	165,136	Changed oil, replaced two tires	\$144.67
5/21/2002	15,069	Changed oil, rotated tires	\$27.00
7/12/2002	22,574	Changed oil, rotated tires	\$27.70
8/15/2002	27,889	Changed oil, replaced two tires	\$147.14
8/8/2003	87,138	Inverter cooling malfunction, the inverter overheated due to external temperature	Warranty

